

FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM
ELIMINATION REPORT
FOR
THE FORMER VIRGINIA-CAROLINA CHEMICAL CORPORATION
RICHMOND, VIRGINIA

Department of Energy
Office of Nuclear Energy
Office of Remedial Action and Waste Technology
Division of Facility and Site Decommissioning Projects

CONTENTS

INTRODUCTION	<u>Page</u> 1
BACKGROUND	1
Site Function	1
Site Description	2
Radiological History and Status	2
ELIMINATION ANALYSIS	2
REFERENCES	4

ELIMINATION REPORT
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INTRODUCTION

The Department of Energy (DOE), Office of Nuclear Energy, Office of Remedial Action and Waste Technology, Division of Facility and Site Decommissioning Projects (and/or predecessor agencies, offices and divisions, has reviewed the past activities of the Atomic Energy Commission (AEC) at the former Virginia-Carolina Chemical Corporation, Richmond, Virginia. On the basis of historical information, DOE has determined that any radioactive material potentially remaining from these activities would be insignificant in terms of both its quantity and the hazard it would represent. Therefore, this site requires no remedial action and will not be included in the Formerly Utilized Sites Remedial Action Program.

This report presents information supporting the DOE decision regarding the radiological conditions at the former Virginia-Carolina Chemical Corporation and provides assurance that use of the site will not result in any measurable radiological hazard to site occupants or the general public.

This elimination report will be archived by DOE through the Assistant Secretary for Management and Administration. A copy of this package will be available for public review between 8:00 a.m. and 4:00 p.m., Monday through Friday (except Federal holidays), at the DOE Public Reading Room located in Room 1E-190 of the Forrestal Building, 1000 Independence Avenue, SW., Washington, D.C.

BACKGROUND

Site Function

This facility was used in the early 1950s for research and development to recover uranium as a byproduct of phosphate production. This work was preparatory process development for the pilot plant scale operation at Nichols, Florida (now Conserv, Inc.). The operations were conducted on a

"laboratory bench scale" and involved no more than gram quantities of separated uranium. The research lasted only about 6 months. The laboratory was dismantled, and all equipment was removed prior to sale of the building in 1965 for use as a warehouse. The location of the equipment probably cannot be traced. The AEC activities were conducted under contract AT(49-6)-905, which has since been destroyed in accordance with standard records management procedures.

Site Description

The facility was first owned by the Virginia-Carolina Chemical Corporation and was subsequently acquired by Mobil Oil Corporation. The property is now under private ownership. The site is located at 818 Perry Street (Figure 1) and consists of a warehouse plus surrounding land. Site dimensions are 162.66 feet by 340 feet (irregular).

Radiological History and Status

No radiological survey was made of the site.

ELIMINATION ANALYSIS

Based on the small quantities of uranium processed, the Department of Energy (DOE) Oak Ridge Operations Office concluded that the potential for uranium contamination was small even during the contract period. The fact that the laboratory equipment used under the contract has been removed and the brevity of the operation further reduce the likelihood that any residual activity remains. DOE headquarters has approved the operations office recommendation that reassessment of the site be terminated and has eliminated this site from consideration for inclusion in the Formerly Utilized Sites Remedial Action Program.

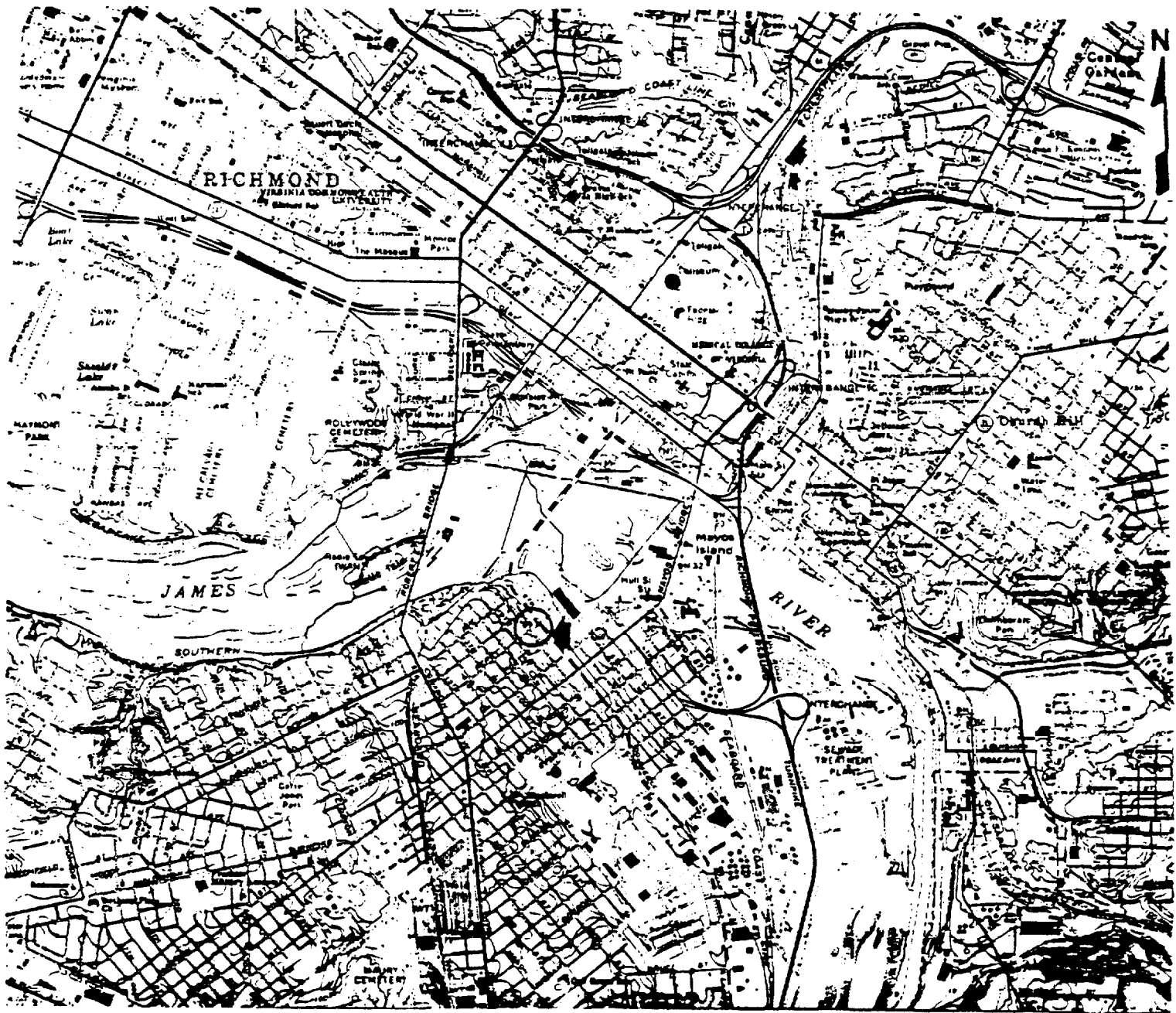


Figure 1. Former Site of the Virginia-Carolina Chemical Corporation

REFERENCES

- o Thornton, W.T., (Department of Energy) to W.E. Mott (Department of Energy), "Radiological Status of Former Virginia-Carolina Chemical Corporation Site at 818 Perry Street, Richmond Virginia," November 11, 1977.
- o Mott, William E., (Department of Energy) to W.T. Thornton (Department of Energy), "Radiological Status of Former Virginia-Carolina Chemical Corporation Site at 818 Perry Street, Richmond, Virginia," November 21, 1977.



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RADIOLOGICAL STATUS OF FORMER VIRGINIA-CAROLINA CHEMICAL CORPORATION
SITE AT 818 PERRY STREET, RICHMOND, VIRGINIA

The following information summarizes our findings and conclusions relative to the reassessment of the subject site. According to information from former Division of Raw Material files, research and development in the early 1950's on uranium recovery from phosphates was done at this facility probably under Contract AT-(49-6)-905, which has since been destroyed. The facility was subsequently acquired by the Mobil Oil Corporation. Telephone discussions in July, 1977, with Mr. Samuel M. Lane, a Mobil employee located at their Richmond office and familiar with operations under the AEC contract, revealed that the operations were conducted on a "lab bench scale" and involved "no more than gram quantities" of separated uranium. This work was preparatory process development for the pilot plant scale work done at the Mobil Oil (now Conserv, Inc.) Nichols, Florida facility. Uranium recovery work at 818 Perry Street lasted only about six months.

The Laboratory was dismantled and all equipment removed prior to sale of the building in 1965 for use as a warehouse. In Mr. Lane's opinion, tracing the disposition of the equipment at this time is infeasible. The present owner of the site, according to the Richmond Real Estate Tax Office, is Mary Kramer, 861 Leonard Street, Miami, Florida 33160. Dimensions of the site per tax records, are 162.66 ft. x 340 ft. (irregular).

It is concluded that the potential for uranium contamination, even during the contract period, was small and that subsequent disposition of laboratory, furnishings and equipment further reduced that potential to the point where, it is felt, the need for further onsite investigation is not indicated. Hence, it is recommended that the reassessment of the site at 818 Perry Street, Richmond, Virginia, be terminated with this report.

W T Thornton

W. T. Thornton
Environmental Protection Branch
Safety & Environmental Control Division

OSE:WTT

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RADIOLOGICAL STATUS OF FORMER VIRGINIA-CAROLINA CHEMICAL CORPORATION
SITE AT 818 PERRY STREET, RICHMOND, VIRGINIA

Your memorandum report of November 11, 1977, detailing the degree, type, and extent of former AEC R&D work done at the Virginia-Carolina Richmond, Virginia, site adequately defines the situation and no further site review is warranted. Your recommendation to terminate further survey efforts at this site is accepted.

William E. Mott, Director
Division of Environmental
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DATE	11/18/77	11/18/77	11/21/77			